

IN THE CLAIMS

Please amend the claims as follows:

1. (Current Amended) Data transmission method in a radio communication network comprising:

- at least one base station ~~(101)~~; and
- at least one equipment ~~(102)~~ adapted to individually and periodically ~~transmitting~~ transmit binary information on an up radio channel (TPC), to at least one of the said base stations called the first base station,

~~characterised in that the said radio channel carries~~  
wherein the method comprises:

- transmitting first information ~~(501, 521, 531)~~ through the radio channel for controlling the transmission power output from the said first base station; and
- transmitting second information ~~(511)~~ through the radio channel intended for a purpose other than controlling the power from the said first base station.

2. (Currently Amended) Method according to claim 1, ~~characterised in that~~ wherein the said first base station manages at least one mobile telecommunication network cell ~~(100)~~.

3. (Currently Amended) Method according to ~~either of claims 1 and 2~~ claim 1, ~~characterised in that~~ wherein the said first base station sends at least part of the said received second information to communication equipment ~~(111)~~ capable of transmitting data to the said equipment, and ~~in that~~ wherein the said communication equipment processes the said at least part of the said second information.

4. (Currently Amended) Method according to claim 3, ~~characterised in that~~ wherein when the said communication

equipment is in communication with the said terminal equipment, it adjusts the radio transmission power used to send data to the said equipment as a function of the result of the said processing.

5. (Currently Amended) Method according to ~~either of claims 3 and 4~~claim 3, ~~characterised in that~~ wherein the said communication equipment communicates with the said equipment on a single directional channel ~~(123)~~ used to transmit data from the said communication equipment to the said terminal equipment.

6. (Currently Amended) Method according to ~~any one of claims 3 to 5~~claim 3, ~~characterised in that~~ wherein the said communication equipment is adapted to sending data using a multiple carrier modulation (OFDM).

7. (Currently Amended) Method according to ~~any one of claims 3 to 6~~claim 3, ~~characterised in that~~ wherein the said communication equipment supports communications according to a protocol compatible with the HIPERLAN/2 standard and / or the IEEE 802.11 standard.

8. (Currently Amended) Method according to ~~any one of claims 3 to 7~~claim 3, ~~characterised in that~~ wherein the said equipment is a base station ~~(111)~~ separate from the said first base station ~~(101)~~.

9. (Currently Amended) Method according to ~~any one of claims 3 to 7~~claim 3, ~~characterised in that~~ wherein the said equipment is a terminal equipment.

10. (Currently Amended) Method according to ~~any one of claims 1 to 9~~claim 1, ~~characterised in that~~ wherein the said other end purpose is to control the transmission power output from a base station separate from the said first base station.

11. (Currently Amended) Method according to ~~any one of claims 1 to 10~~claim 1, ~~characterised in that~~ wherein the said other end purpose includes acknowledgement of data transmitted by a base station to the said equipment on a radio channel, the said acknowledgement indicating whether or not data were correctly received by the said equipment.

12. (Currently Amended) Method according to ~~any one of claims 1 to 11~~claim 1, ~~characterised in that~~ wherein the said other end purpose is one of the end purposes ~~in the following group selected from the group consisting of:~~

- data transmissions to a base station distinct from the said first base station;
- management of time slaving between a base station and the said equipment;
- management of frequency slaving between a base station and the said equipment; and
- control of the data flow sent to and / or from the said equipment.

13. (Currently Amended) Method according to ~~any one of claims 1 to 12~~claim 1, ~~characterised in that the~~ wherein bit positions of the said first and second information ~~is~~ are predetermined.

14. (Currently Amended) Method according to ~~any one of claims 1 to 13~~claim 1, ~~characterised in that the~~ wherein bit positions ~~position~~ of the said first and second information ~~is~~ are determined dynamically.

15. (Currently Amended) Method according to ~~any one of claims 1 to 14~~claim 1, ~~characterised in that~~ wherein the said second information represents not more than 10% of the said elementary information.

16. (Currently Amended) Method according to claim 15, ~~characterised in that~~ wherein the said second information represents not more than 1% of the said ~~elementary~~ binary information.

17. (Currently Amended) Equipment adapted to individually and periodically ~~transmitting~~ transmit binary information on an up radio channel (TPC) to a base station called the first base station in a radio communication network, wherein the equipment is adapted to:

~~characterised in that it includes methods of distinguishing~~ distinguish and ~~inserting~~ insert the said ~~following~~ elementary items of information, including:

- first information for controlling the transmission power output from the said first base station; and
- second information to be used for a purpose other than the said control of the power output from the said first base station.

18. (Currently Amended) A Base base station in a cellular network, adapted to periodically ~~receiving~~ receive binary information on an up radio channel (TPC) in isolation, from equipment, wherein the base station is adapted to distinguish ~~characterised in that it includes methods of distinguishing~~ and ~~extracting~~ extract the said ~~following~~ elementary items of information, including:

- first information for controlling the transmission power output from the said first base station; and
- second information to be used for an end purpose other than controlling the power output from the said first base station.

19. Cancelled

20. (Currently Amended) A Signal signal sent by one equipment to a base station in a radio communication network and

carrying binary information individually and periodically transmitted by the said equipment to the said base station, on an up radio channel (TPC), ~~characterised in that~~ wherein the said binary information includes:

- first information for controlling the transmission power output from the said base station; and
- second information intended for a purpose other than said control of the power from the said base station.